

Title: Post-doctoral Fellow (APHL Environmental Health Fellow)

Organization: Wisconsin Laboratory of Hygiene, University of Wisconsin-Madison

Location: Madison, WI, USA

Closing Date: Until Filled

Description: Post-doctoral fellow to participate in advanced trace element studies, emphasizing speciation and bioavailability in clinical and environmental matrices. These studies might include (1) improving methods for quantification and speciation of elements in biological fluids and tissue, (2) developing protocols for isotopic fingerprinting of transuranic elements in urine, blood and tissue, (3) identification of pathways of metal detoxification in cell models by identification of metal-protein-thiol complexes, and (4) bioavailability of trace metals in clinical and environmental matrices. The fellow would have the opportunity to work with university faculty from a variety of allied fields, including the health sciences, and would be expected to maintain close contact with the external research community. Newly acquired high resolution ICP-MS and HPLC-MS-MS instruments, as well as several conventional ICP-MS instruments, will be available for use. The fellowship is supported through the auspices of the

Qualifications: Background from doctoral experience suitable for advanced trace element study, particularly in biological systems. Experience in using plasma mass spectrometers is highly desirable.

How to Apply: Please e-mail Professor William Sonzogni at sonzogni@wisc.edu and include a vitae.

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